

Product Information Specialty Lubricant

DOW CORNING

Molykote® G-N Paste

FEATURES & BENEFITS

- Heat resistant (400°C)
- Excellent load-carrying capacity and prevents seizure
- Prevents fretting corrosion
- Good for oscillating movement
- Low coefficient of friction even under high loads
- Economical, with a large coating surface area per unit

COMPOSITION

- Molybdenum disulfide
- White solid lubricants
- Mineral oil

A combination paste containing molybdenum disulfide, with superior resistance to high loads

APPLICATIONS

- Reduces break-in time, and extends service lives of parts.
- Can be used at assembly, for sliding parts under high loads at low speeds, as a screw lubricant, and in metal working.

TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

Test*	Property	Unit	Result
	Appearance		Grey black
JIS K 2220	Penetration (unworked)		300
	NLGI class		1 to 2
	Service temperature range ¹	°C	-20 to 120
	Density	g/cm ³	1.38
JIS K 2220	Bleed (100°C, 24 hours)	%	1.5
JIS K 2220	Evaporation (99°C, 22 hours)	%	1.2
JIS K 2220	Copper corrosion 100°C, 24 hours		1b
	Press-fittest, coefficient of friction ²		0.10
ASTM D 2266	Four ball wear scar(1740 rpm, 392 N, 1 hour)	mm	0.53
ASTM D 2670	Falex weld load	N	14700
ASTM D 2714	LFW-1 oscillation life (at 90° angle, 75 cpm, 2700 N)	cycles	> 20000

*JIS: Japanese Industrial Standard

ASTM: American Society for Testing and Materials

¹Although the base oil will carbonize at temperatures in excess of 120°C, the solid components will maintain lubrication up to 400°C

²Steel on steel, 1.5 mm 1 minute, press-fit pressure of 69 MPa.

HOW TO USE

Clean and degrease surface before application. The following methods of application can be used:

- Burnishing - rub on with a cloth or deer skin.
- Paint with brush - a thin, strong brush is recommended

HANDLING PRECAUTIONS

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR

SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW CORNING WEBSITE AT DOWCORNING.COM, OR FROM YOUR DOW CORNING SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CORNING CUSTOMER SERVICE.

USABLE LIFE AND STORAGE

When stored, unopened in a cool, dark place *Molykote*[®] G-N Paste, has a usable life of 1080 days from the date of production.

PACKAGING INFORMATION

This product is available in: 500 g cans (10 cans/case), 1 kg cans (4 cans/case), 5 kg, and 20 kg cans.

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

HEALTH AND ENVIRONMENTAL INFORMATION

To support customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, dowcorning.com or consult your local Dow Corning representative.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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